

REMARKS

Claims 1-22 are pending in this application. Claims 11-12 and 21 stand rejected. Applicant wishes to thank the Examiner for the indication of allowance of claims 1-10, 13-20, and 22. By this Amendment, claims 11 and 21 have been amended. The amendments made to the claims do not alter the scope of these claims, nor have these amendments been made to define over the prior art. Rather, the amendments to the claims have been made for cosmetic reasons to improve the form thereof. In light of the amendments and remarks set forth below, Applicant respectfully submits that each of the pending claims is in immediate condition for allowance.

Paragraph 3 of the Office Action rejects claims 11, 12, and 21 under 35 U.S.C. § 112, first paragraph, as failing to comply with the enablement requirement. The Office Action asserts that "claims 11 and 21 recite multiple ranked phases stored in a ranking circuit based on a quasi-coherent signal correlated by a correlator. This does not distinctly claim the subject matter set in the disclosure of Figure 2 wherein the ranking circuit 76 stores phases based on the added quasi-coherent signal SS of quasi-coherent signals SS1, SS2, and SS3 described in the specification at pages 25, lines 16-23." See Office Action at 2. Applicant respectfully traverses this rejection.

As discussed on page 18 of the present specification, Figure 2 illustrates an arrangement of a synchronization establishing a tracking circuit for a cell having three sectors. In other words, SS1, SS2, and SS3 are each from one of the three sectors of the cell. In other embodiments, as would be understood by one skilled in the art, there can be more or fewer sectors in a cell. In fact, a cell may only have a single sector. Or, there may be no signals present from a given sector. In those situations, only one signal, i.e., SS1, would be present.

Based on the above, Applicant's claims 1 and 11 are directed to a synchronization establishing and tracking circuit for a CDMA base station having a single sector. As such, a spreading code generator generates a spreading code sequence and a correlator calculates correlation between the spreading code sequence and a quasi-coherent signal corresponding to a received signal. A ranking circuit stores a plurality of ranked phases based on the quasi-coherent signal and a phase setting circuit is used for setting a phase to a selected phase selected from among the plurality of ranked phases. Thus, the ranking circuit stores at least one ranked phases based on the quasi-coherent signal. If there were multiple signals such as those shown in Figure 2, the Examiner is correct in noting that the added quasi-coherent signal would be the sum of quasi-coherent signals SS1, SS2, and SS3, as recited on page 25 of the specification. Because only a single sector may be present, Applicant has only recited a single quasi-coherent signal. As such, Applicant respectfully requests withdrawal of the rejection under 35 U.S.C. § 112.

Applicant has responded to all of the rejections and objections recited in the Office Action. Reconsideration and a Notice of Allowance for all of the pending claims are therefore respectfully requested.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue.

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If the Examiner believes an interview would be of assistance, the Examiner is welcome to contact the undersigned at the number listed below.

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Respectfully submitted,

By 

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